



SEQUENCE LISTING

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<120> Disease risk estimating method using sequence polymorphisms in a specific region of chromosome 19

<130> P 687 PC00

<140> PCT/DK03/00448

<141> 2003-06-27

<150> PA 2002 01005

<151> 2002-06-27

<150> PA 2002 01500

<151> 2002-10-07

<150> PA 2003 00289

<151> 2003-02-25

<150> PA 2003 00639

<151> 2003-04-29

<160> 216

<170> PatentIn version 3.1

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<212> DNA

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<213> Artificial sequence

<220>

<223> Probe

<400> 139
tcttgccccc agagcgtcac c

21

<210> 140

<211> 25

<212> DNA

<213> Artificial sequence

<220>

<223> Probe

<400> 140
gtacggtcca cataattttg gagga

25

<210> 141

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 141

gatcaaagag acagacgagc

20

<210> 142

<211> 16

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 142

gaagcccagg aaatgc

16

<210> 143

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> Probe

<400> 143

ggacgcccac ctggccaacc

20

<210> 144

<211> 19

<212> DNA

<213> Artificial sequence

<220>

<223> Probe

<400> 144

cgtgctgccc aacgaagtg

19

<210> 145

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 145

ttgtgctttc tctgtgtcca

20

<210> 146

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 146

tatcagaaaa ggctggagga

20

<210> 147

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> Probe

<400> 147

aggaccacag gacacgcaga

20

<210> 148

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> Probe

<400> 148
catagaacag tccagaacac

20

<210> 149

<211> 22

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 149
cacacctggc tcatttttgt at

22

<210> 150

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 150
tcatccaggt tgtagatgcc a

21

<210> 151

<211> 23

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 151
tggagtgcta tggcacgatc tct

23

<210> 152

<211> 23

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 152

ccatgggcat caaatcctg gga

23

<210> 153

<211> 22

<212> DNA

<213> Artificial sequence

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<223> Primer

<400> 153

gtcctgccct cagcaaagag aa

22

<210> 154

<211> 22

<212> DNA

<213> Artificial sequence

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<223> Primer

<400> 154

ttctcctgcg attaaaggct gt

22

<210> 155

<211> 22

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 155

atcctgtccc tactggccat tc

22

<210> 156

<211> 22

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 156

tgtgaacgtg acagtgagaa at

22

<210> 157

<211> 22

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 157

gtcccataga taggagtgaa ag

22

<210> 158

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 158

ccctaggaca caggagcaca

20

<210> 159

<211> 18

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 159

tgcatagcta ggtcctgc

18

<210> 160

<211> 19

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 160

gccaagcaga agagacaaa

19

<210> 161

<211> 19

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 161

gagtggctgg ggagtagga

19

<210> 162

<211> 35

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 162

aactgacraa actagctcta tggggtggtg ccgca

35

<210> 163

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 163

cctaccacca tcatcacatc c

21

<210> 164

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 164

gccttgccaa aaatcataac c

21

<210> 165

<211> 30

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 165

cctctcccca attaagtgcc ttcacacagc

30

<210> 166

<211> 22

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 166

cgcaaaaact tgtgtattca cc

22

<210> 167

<211> 22

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 167

cccattttta tcatcagcaa cc

22

<210> 168

<211> 23

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 168

ctggctctga aacttactag ccc

23

<210> 169

<211> 19

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 169

gctggactgt caccgcatg

19

<210> 170

<211> 17
 <212> DNA
 <213> Artificial sequence

<220>

<223> Primer

<400> 170
 ggagcagggg tggcgtg

17

<210> 171

<211> 22

<212> DNA

<213> Artificial sequence

<220>

<223> Probe

<400> 171
 tgccctccca gaggtaggc ct

22

<210> 172

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> Probe

<400> 172
 ccctcccga ggtaaggcct c

21

<210> 173

<211> 39

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (19)..(19)

<223> at this position the nucleotide can be absent or be AA

<400> 173

ataaaaaaat aaaaaaana tagccgagca tgggtggtgg

39

<210> 174

<211> 36

<212> DNA

<213> Human

<400> 174

tcggggacag gactgygtct tctagaggct cagtgt

36

<210> 175

<211> 36

<212> DNA

<213> Human

<400> 175

tggctgagac tcaacygtca cccctctctc tggctc

36

<210> 176

<211> 36

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (16)..(16)

<223> the nucleotide in this position can be absent or be TTC

<400> 176

gtgtgacctc tctctnttct tcttcttctt cttggt

36

<210> 177

<211> 36

<212> DNA

<213> Human

<400> 177

gctgctgctg ctgctkcttc cgcttccttgt cccggc

36

<210> 178

<211> 36

<212> DNA

<213> Human

<400> 178

ggcggctgcc ctcccgagg taaggcctca cacgcc

36

<210> 179

<211> 33

<212> DNA

<213> Human

<400> 179

agttggagaa aggccagtcc atygacgaca tga

33

<210> 180

<211> 11

<212> DNA

<213> Human

<400> 180

cgctgmagag g

11

<210> 181

<211> 10

<212> DNA

<213> Human

<400> 181
tgccracgaa 10

<210> 182

<211> 11

<212> DNA

<213> Human

<400> 182
tgccgmttct a 11

<210> 183

<211> 36

<212> DNA

<213> Human

<400> 183
caatccgcta gggcagakcc aatcgggata ctgcgc 36

<210> 184

<211> 36

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (16)..(16)

<223> the nucleotide in this position is absent or is GACA

<400> 184
ttcgaatcaat actcanatct tggcaggcgc aggagg 36

<210> 185

<211> 37

<212> DNA

<213> Human

<400> 185
tggctctgaa acttactagc ccrtatttat ggagagg 37

<210> 186

<211> 36

<212> DNA

<213> Human

<400> 186
caggcttgag ccaccrcgcc cggcctgcaa agccat 36

<210> 187

<211> 36

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (16)..(16)

<223> the nucleotide in this position can be absent or T

<400> 187
gtagagacag gggtnctcc atgttggtca ggctgg 36

<210> 188

<211> 36

<212> DNA

<213> Human

<400> 188
ttagtagaga cagggktttc tccatggttg tcaggc 36

<210> 189

<211> 36

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (16)..(16)

<223> the nucleotide in this position can be absent or be the sequence:
 acacctgtgggtcccagctactctggaagctgaggtgggaggatcgcttgagcccaagaggtgga
 ggctgc
 agtgagctgt

<400> 189

gctgcagtga gctgtngact gtgccactgc actcca

36

<210> 190

<211> 39

<212> DNA

<213> Human

<400> 190

tgacagtaga catcctgtca trataagtct ttttttttt

39

<210> 191

<211> 38

<212> DNA

<213> Human

<400> 191

ggttgagagg ccaggcgygg tgctcacgcc tgtaattt

38

<210> 192

<211> 39

<212> DNA

<213> Human

<400> 192

attaagtgcc ttcacacagc wctggtttaa tgtttataa

39

<210> 193
<211> 40
<212> DNA
<213> Human

<400> 193
cagacctccc tctccaata waacggtttg tctgttgcc 40

<210> 194
<211> 39
<212> DNA
<213> Human

<400> 194
gggaggctcg aggcgggcr g attgcatgag ctcaggatt 39

<210> 195
<211> 40
<212> DNA
<213> Human

<400> 195
tgcatgtgagc tgagatcgcr ccaactgcact ccagcctggg 40

<210> 196
<211> 40
<212> DNA
<213> Human

<400> 196
cagggcatatc aaccagcacw tgattttctg tgtgacctca 40

<210> 197
<211> 39
<212> DNA

<213> Human

<400> 197

cctgcttgct tgctttctct ytctctcttt ctttctttc

39

<210> 198

<211> 39

<212> DNA

<213> Human

<400> 198

cttgcttgct ttctctctct ytctttcttt ctttctttc

39

<210> 199

<211> 39

<212> DNA

<213> Human

<400> 199

ctgttcaggc tggcggctca yttggatgaa cagggagtg

39

<210> 200

<211> 39

<212> DNA

<213> Human

<400> 200

tcttaggacg catgggggk gagagaacgg ggagataga

39

<210> 201

<211> 41

<212> DNA

<213> Human

<400> 201

tcggggattc gaaccctat rctacccaaa gactcggctt c

41

<210> 202

<211> 41

<212> DNA

<213> Human

<400> 202

gcagcccggg ctacagggtt rcctgaggtg tgggtcccag g

41

<210> 203

<211> 60

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (21)..(21)

<223> the nucleotide in this position is absent or A

<400> 203

aagactctct caaaaaaaaa ncaaaaaaaaa aacaaaaaac cttccctctc ctgttcact

60

<210> 204

<211> 34

<212> DNA

<213> Human

<400> 204

aagcccaaag ggamagaaac cttcgagcca gaag

34

<210> 205

<211> 35

<212> DNA

<213> Human

<400> 205

agccagaagg agcgragcct caggcccagg cagct

35

<210> 206

<211> 38

<212> DNA

<213> Human

<400> 206

agaaagaaaa acagcaarat gccacagtgg agccagag

38

<210> 207

<211> 11

<212> DNA

<213> Human

<400> 207

ggcacrttgc g

11

<210> 208

<211> 11

<212> DNA

<213> Human

<400> 208

gggcaygtgg c

11

<210> 209

<211> 39

<212> DNA

<213> Human

<400> 209

cacccttttt ttgggggtgcc yaggttggtt tcccctgca

39

<210> 210

<211> 39

<212> DNA

<213> Human

<400> 210

gcaggactcc tccaaaatta ygtggaccgt acggagtcg

39

<210> 211

<211> 36

<212> DNA

<213> Human

<400> 211

agaggctgaa gtggcmacag agaaggaagg agaaga

36

<210> 212

<211> 39

<212> DNA

<213> Human

<400> 212

cctgagcaaa cccatgagyg tccacctcct gaaccaagg

39

<210> 213

<211> 45

<212> DNA

<213> Artificial sequence

<220>

<223> Probe

<400> 213

gcgcctcaac agccagaagg agcgragcct caggcccagg cagct

45

<210> 214

<211> 16

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 214
tgagacgagg tggagg

16

<210> 215

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 215
caatcaaaaa gaaaacatgg

20

<210> 216

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence Included in s region of chromosome

<400>216
CCAGAGACTG CACCAGCGCA GCCCAGCTTG AGCAAGATAG CG 42